

September 8, 2015

The regular meeting of the Council of the City of Martinsville, Virginia was held on September 8, 2015 in Council Chambers, Municipal Building at 7:30pm, Closed Session beginning at 7:00pm with Mayor Danny Turner presiding. Council members present: Mayor Danny Turner, Vice Mayor Jennifer Bowles, Council Member Gene Teague, Council Member Sharon Hodge and Council Member Mark Stroud. Staff members present included: City Manager Leon Towarnicki, City Attorney Eric Monday, Clerk of Council Karen Roberts, Superintendent of Water Resources Andy Lash, Police Chief Sean Dunn, Assistant City Manager Wayne Knox, Sheriff Steve Draper, Public Works Director Jeff Joyce, and Major Laura Hopkins.

Mayor Turner called the meeting to order and advised Council would go into Closed Session. In accordance with Section 2.1-344 (A) of the Code of Virginia (1950, and as amended) and upon motion by Council Member Teague, seconded by Council Member Hodge with the following recorded 5-0 roll-call vote: Council Member Hodge, aye; Vice Mayor Bowles, aye; Council Member Stroud, aye; Council Member Teague, aye; Mayor Turner, aye. Council convened in Closed Session for the purpose of discussing the following matters: A) Consultation with legal counsel and briefings by staff members, attorneys or consultants pertaining to actual or probable litigation, or other specific legal matters requiring the provision of legal advice by such counsel, as authorized by Subsection 7. At the conclusion of the Closed Session, each returning member of Council certified that (1) only public business matters exempt from opening meeting requirements were discussed in said Closed Session and (2) only those business matters identified in the motion convening the Closed Session were heard, discussed, or considered during the Session. On a motion by Vice Mayor Bowles and seconded by Council Member Stroud with the following 5-0 roll-call recorded vote: Stroud, aye; Turner, aye; Teague, aye; Bowles, aye; Hodge, aye; Council returned to Open Session.

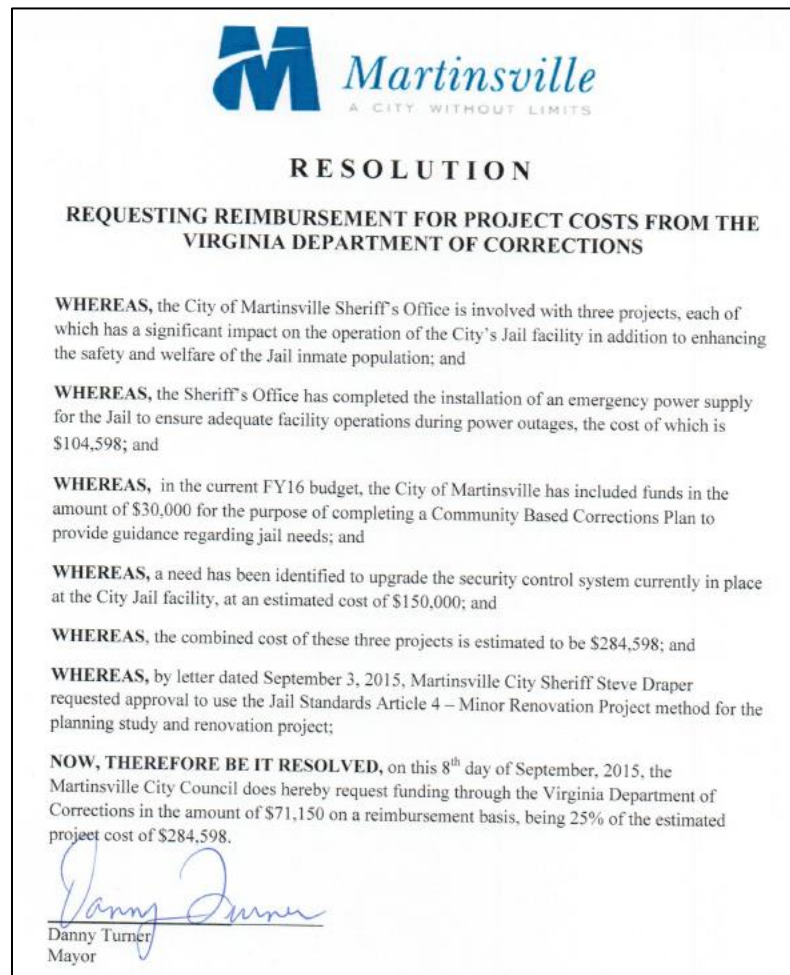
Invocation and Pledge to the American Flag –Council Member Gene Teague.

Approval of minutes from August 25, 2015 Council meeting - On a motion by Council Member Teague, seconded by Council Member Hodge, with a 5-0 vote, Council approved the minutes of the August 25, 2015 meeting.

Consider adoption of a Council Resolution requesting reimbursement from the Virginia Department of Corrections of a share of costs related to certain projects at the City Jail facility Addendum – Sheriff Draper updated Council on projects including the emergency generator power project to the jail which is complete, the

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study on jail space, and the security system upgrade. Council Member Teague made a motion to adopt the Resolution requesting reimbursement for project costs from the Virginia Department of Corrections; Vice Mayor Bowles seconded the motion, all Council Members voted in favor to adopt the resolution.



Sheriff Draper also showed Council Members an article in the Law and Order magazine recognizing the Martinsville City Sheriff's Department for winning the car design contest.

Consider approval of a 5-year extension to the transfer station contract the City has with First Piedmont Corporation- City Manager Towarnicki described the current contract including the tipping fees and provisions that allowed the tipping fee to be modified on an annual basis. At \$60 per ton, the City began to look at other options including recycling, and had discussions with Rockingham County about their landfill along with Pittsylvania & Franklin Counties. After those discussions, First Piedmont was able to lower the tipping rate. With the renewal of the contract and the lower tipping fee, the City will save approximately \$25,000 per year. Other options regarding wastewater sludge could also be more economically feasible. Waste to

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energy was \$60 per ton with guaranteed tonnage but the City could not guarantee that tonnage over the next five years and will discuss again in the future. Council Member Teague asked for confirmation that this will lock in the tipping fee and the operational fee for the next five years. Council Member Stroud commented that the current recycling program is handled very well and asked where we stand on the sludge press. Towarnicki explained that an investigation of processes was done and a viable option was identified but with every project like that there is a price. Jeff Joyce explained the details of the current contract provision, the changes in the new contract, additional changes including yearly rate adjustments, terms of the agreement and operating hours, reduced cost for disposal of municipal solid waste (MSW), and reduced cost for disposal of sludge. Vice Mayor Bowles made a motion to approve the 5 year contract beginning January 1, 2016, Council Member Stroud seconded the motion, all Council Members voted in favor.

MARTINSVILLE TRANSFER STATION CONTRACT RENEWAL

*City Council Presentation
Tuesday, September 8, 2015*

Original Contract Provisions

- Initially starting in January 2005, the current contract term was 11 years ending December 31, 2015.
- First Piedmont Corp. built, owns, and operates the transfer station on the former Martinsville Sanitary Landfill site.
- First Piedmont Corp. leases the land for the station from the City.
- The transfer station receives virtually all waste generated in the City and Henry County.
- First Piedmont Corp. hauls all sludge generated at the Martinsville Wastewater Treatment Plant.

Changes in the New Contract

Adjusted Tipping Fee Schedule

<u>Waste Type</u>	<u>Current Rate</u>	<u>New Rate</u>	<u>Change</u>
Industrial	\$58.74/ton	\$56.49/ton	(\$2.25)
MSW	\$61.65/ton*	\$58.65/ton*	(\$3.00)
Sludge	\$47.13/ton	\$44.78/ton	(\$2.35)

* Rate includes \$2.00/ton North Carolina tax.

Additional Changes

- Yearly rate adjustments will be based on the previous 12 month Consumer Price Index-U instead of the Municipal Cost Index.
- The term of this agreement is for five (5) years beginning January 1, 2016 with the option to renegotiate three additional five year term extensions.
- The City retains the option to purchase the facility at a depreciated value at the end of the five year term.
- The City retains the option to use alternative methods for sludge disposal.
- Operating hours and holidays have been adjusted to reflect current practices.

<p>Reduced Cost for Disposal of MSW</p> <p>Average tonnage of MSW hauled to the transfer station over the past three years is approx. 7,500 tons per year.</p> <p>Current rate at \$61.65/ton vs. New rate at \$58.65/ton</p> <p>7,500 tons/yr. X \$61.65/ton = \$462,375 per year 7,500 tons/yr. X \$58.65/ton = \$439,875 per year</p> <p>Cost Reduction of approximately \$22,500/year</p>	<p>Reduced Cost for Disposal of Sludge</p> <p>Average tonnage of sludge hauled from the City's waste water treatment plant is approx. 11,000 tons per year.</p> <p>Current rate at \$47.13/ton vs. New rate at \$44.78/ton</p> <p>11,000 tons/yr. X \$47.13/ton = \$518,430 per year 11,000 tons/yr. X \$44.78/ton = \$492,580 per year</p> <p>Cost Reduction of approximately \$25,850/year</p>
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Hear an update on FY15 refuse collection and also general information on current policies and procedures – Jeff Joyce explained the refuse collection, dumpster rental and collection, bulk and brush pickup, and recycling programs. Mayor Turner stated that one of the problems he's seen is that some uptown businesses will put their trash out at the end of the day on Saturday and it could get scattered before pick up the following Monday. City Manager Towarnicki explained that is partly due to cleaning services working in those businesses after hours but the Public Works department tries to identify those businesses and work with them to avoid this from happening. City Manager Towarnicki said that exceptions have been made to assist residents in extenuating circumstances such as storm cleanup or when a freezer full of food stops working. Mayor Turner suggested that residents contact the Sheriff's Department if they have a fallen tree before contracting someone to clean up the wood; the Sheriff's Department works with a program through Social Services for residents who burn wood for heat in the colder months. Mr. Joyce also explained the live Christmas tree pickup and bagged leaf collection in addition to the sweeper that does leaf and street cleanup. Code does not allow residents to burn piles of leaves or blow leaves or grass clippings into the street. Vice Mayor Bowles wanted to thank them for working with residents on the bulk trash pickup. Mayor Turner questioned if there was some way to keep animals out of trash. Mr. Joyce said code states that trash should be put out the morning of collection and if residents choose to leave trash out overnight then they should leave it in garbage cans with a lid to prevent animals from getting in the trash. City code also requires that trash cans should be removed from the curb by sundown and they are not allowed to be moved back to the curb until the next scheduled collection day. Council Member Stroud wanted to

thank Public Works on the ADA curbing and paving on Cleveland Avenue; he stated that the jobs were handled well by all crews. City Manager Towarnicki stated that if it were not for inmate labor assisting the refuse crews, the City would probably need to hire 4-5 additional employees which would drive the costs up significantly. The inmates used on all work crews come through the jail annex and go through an elaborate screening process before they are allowed to assist the Public Work crews; these inmates are good people who made a mistake but they want to work and they work hard. Council Member Hodge expressed that she has mixed feelings and in her opinion the City is taking advantage of incarcerated people. Council Member Stroud responded that these workers volunteer for the work and are paid a nominal fee, he stated that if it weren't for this work opportunity those inmates would be sitting idle.

 <p>City of Martinsville Refuse Collection and Recycling</p>	 <p>Refuse Collection and Recycling Programs</p> <ul style="list-style-type: none">• Residential and commercial solid waste collection• 8 yard container rental program• Bulk trash and brush collection programs• Recycling and reuse program• Leaf collection program
 <p>Refuse Collection</p> <p>The City has over 6,000 residential and commercial customers.</p> <ul style="list-style-type: none">• Residential collection routes are divided into four areas and are collected Tuesday through Friday each week.• Commercial collection occurs six day per week for businesses, schools, health care facilities, and multifamily complexes.• Uptown businesses are collected Monday through Friday each week.	 <p>8 Yard Container Rental Program</p> <ul style="list-style-type: none">• The City offers 8 yard container (dumpster) rentals for temporary or permanent use to residents and businesses.• Servicing the containers can be scheduled on a regular basis or a call-in basis.• Customers will be charged a monthly rental fee and a collection fee each time the container is emptied.

Bulk and Brush Pickup Programs

- Collection of large, bulky items and bagged leaves is provided for residential customers in the City. Pick ups are scheduled by calling no later than 12 noon of the day before a resident's regular garbage collection day. Call 403-5419 to schedule a pick up.
- Collection of brush and small limbs from regular yard cleaning activities can be scheduled for collection on Mondays once a month in each collection area. Call 403-5419 to schedule a pick up.
- These programs are for residential customers only. Detailed policies for use of these programs can be found on the City's website.

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Recycling/Reuse Program

Recyclables are collected and marketed from the following operations.

- Drop-off collection center on Market Street
- Bulk trash collection program
- Office and mixed paper collected from City offices.
- Metal cans collected from the Jail and school cafeterias.
- Wood waste collected by various City departments

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Continued:

- Surplus and waste materials from the City Shop and Garage.
- Christmas trees collected and ground into mulch.

Other items such as milled asphalt and broken concrete are reused by the Public Works, Water Resources, and Parks & Recreation departments.

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Autumn Leaf Collection Program

- The City provides leaf collection of bagged leaves usually beginning in October though December. Bagged leaves/grass clippings can be placed behind the curb or ditch line and will be collected once per week. Residents can schedule collection during other times of the year by calling the bulk collection number (403-5419).
- Residents are reminded that City Code does not allow leaves, brush or grass clipping to be deposited in the streets or right-of-ways.

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Consider approval of consent agenda – On a motion by Council Member Teague, seconded by Council Member Hodge, with a 5-0 vote, Council approved the following consent agenda:

BUDGET ADDITIONS FOR 09/08/15				
ORG	OBJECT	DESCRIPTION	DEBIT	CREDIT
FY15				
General Fund:				
01100909	490139	Advanced/Recovered Costs		49,938
01311085	501215	Police Dept. - O/T - CIT Program	8,013	
01311085	505500	Police Dept. - Training	500	
01331108	501215	Sheriff - Corrections - O/T - CIT Program	40,425	
01331108	505540	Sheriff - Corrections - Training	1,000	
		Crisis Intervention Team reimbursements		
01102926	436401	Categorical - Federal - Confiscated Assets - Police		19
01311085	506079	Police - Federal Asset Forfeitures	19	
		Accumulated interest for FY15		
Total General Fund:			49,957	49,957

BUDGET ADDITIONS FOR 9/8/15				
ORG	OBJECT	DESCRIPTION	DEBIT	CREDIT
FY16				
General Fund:				
01100904	442401	Local Confiscated Assets - Police Dept		185
01311085	506118	Police Dept - Local Confiscated Assets	185	
01100904	442402	Local Confiscated Assets - Commonwealth's Attorney		185
01221082	506118	Commonwealth's Attorney - Local Confiscated Assets	185	
		Local confiscated funds		
01101917	442401	Categorical Other State - Confiscated Assets - Police		2,949
01311085	506078	Police Dept - Conf Assets State	2,949	
		Proceeds from confiscated vehicle sales		
01100909	490104	Advanced/Recovered Costs		921
01322105	506008	EMS - Vehicle Equipment & Maintenance	921	
		Reimbursement for repairs		
01102926	443200	Categorical Federal - National Endowment for the Arts		25,000
01812242	505660	Misc Development Exp - Piedmont Arts NEA Grant	25,000	
		Federal grant for Piedmont Public Art Garden project		
01100908	480406	Miscellaneous Revenues - Donations/Recreation		450
01711210	506007	Recreation - Equipment & Supplies	450	
		Team Sponsor donations		
1101917	442402	Categorical Other State - Confiscated Assets - C Atty		248
1221082	506105	Comm Atty - Conf Assets State	248	
1101917	442401	Categorical Other State - Confiscated Assets - Police		716
1311085	506078	Police Dept - Conf Assets State	716	
		State Asset Forfeiture Proceeds		
Total General Fund:			30,654	30,654

Business from the Floor – Patrick Wright, 1201 Spruce St – wanted to let Council know that he just returned from Myrtle Beach and when he's more informed he would give his opinion.

Ural Harris, 217 Stewart St – requested an explanation of AMP Ohio, an explanation of rates and why the contractor walked off the job. City Manager Towarnicki stated that there was an Electric Utility update due within the next month and it could be explained at that time.

Comments by members of City Council –

Council Member Stroud – sends his condolences to the Ward and Parker Families and those affected by the tragedy at Smith Mountain Lake.

Council Member Hodge – recognized the West End Working Group which has become a non-profit organization and have started renovation on the first of two homes located on 508 and 610 Fayette Street that were donated to them. She thanked Mr. Knox for helping this organization and keeping them going. City Attorney Monday explained that there has been a change in taxation on non-marketable properties and he would discuss this with Assistant City Manager Knox.

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Council Member Teague – requested an update on the Planning Session schedule and the School Board meeting.

Vice Mayor Bowles – would like to wish Council Member Teague a Happy Birthday.

Mayor Turner – asked the City Manager to contact VHL and attempt to have Mel Cartwright, Sr. nominated back to the Hall of Fame. He suggested a memorial for Allison Parker in the Uptown area. He also announced that Tuesday is Nascar Day in Uptown Martinsville and will include a Nascar Chase Driver. Mayor Turner recognized Mamie Nunn of Barrows Mill Road and wished her a Happy 100th birthday.

Comments by City Manager – Tuesday, September 15, 2015 is Nascar Day with a media question and answer event in Council Chambers with a Chase driver to be announced beginning at 3:00pm. A key to the City will be presented to the Chase Driver and a short parade will follow beginning around 3:30pm on Church Street. Speedway hotdogs and music will be provided at 37 East Main Street. Regarding strategic planning for FY17, budget numbers are being calculated and he is planning to have a joint session with the school board. Strategic planning over the summer has been difficult to plan with the facilitator's schedule. Within the next two weeks, Council will be provided a summary of what was discussed at the previous strategic meeting. A Neighborhood Tour and Neighborhood Meeting will be held Monday, September 21 at Forest Hills Church beginning at 7:30pm. Outstanding Military Veteran Award nominations are being accepted and forms are available on the Martinsville City website, the Henry County website, the County Administrator's office and in the City Manager's office. The deadline for nominations is October 15, 2015 and the award will be presented Wednesday November 11, 2015

Presentation regarding a possible project involving replacement of City water and electric meters, and conversion of City street lighting to LED lighting – City Manager Towarnicki stated that last November and December Council was presented the possibility of meter replacement and street light replacement. Meetings have been held with Johnson Controls this past year about the possibility of these projects. Whit Blake of Johnson Controls shared a presentation explaining these projects including current challenges and project objectives of water and electric meter replacement. Johnson Controls has done studies of the current water meters. John Gunn confirmed that the older the meter and the increased amount of water

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that flows through it makes the meter more likely to be inaccurate, he stated that commercial meters are typically not as accurate as residential meters. Mr. Blake explained the advantages of the new proposed water meters for residential and commercial locations. Electric meters throughout the City are older and require manual reading; new meters would be more accurate and could be read digitally. Remote disconnect gives the Electric Department the option to disconnect the meter through the system without sending a worker to the residence or business. Mr. Blake continued by explaining the AMI-Flex Net system and how it could detect leakage and provide alarms that could signal hot sockets and possible meter tampering. All information would be stored on a server at City Hall and protected by firewalls. The meters could still be manually read when necessary. City Manager Towarnicki acknowledged that there is a high rate of meter tampering in the City; not only is this stealing from the City but this is a dangerous act. Mr. Blake explained a study which focuses on collectors mounted to water towers; readings would be transmitted by radio frequency then hardwired to transmit information back to the City server on an hourly basis. Mr. Blake explained the benefits of the Meter Data Management system (MDMS). An additional energy conservation issue he suggested was changing the street lights to LED, stoplights would not be affected. Savings for these projects will generate enough savings for a self-funding project. City Manager Towarnicki explained that the municipal building project included digital controls of heating and air, lighting updates to lower wattage has been completed and is doing exactly what it was projected to accomplish in terms of energy savings. Implementing these new meters would require fewer employees which would be included in cost savings. There is also the option where customers can see usage and information online with this new meter program. Mr. Blake shared the O&M savings, capital avoidance and the measurement and verification plan. Council Member Hodge questioned what would happen to the employees if the new system is implemented and asked if positions would be cut. City Manager Towarnicki explained that those employees would be moved to another vacant position if possible. Council Member Hodge asked for the life span of the smaller meters. Mr. Blake and Andy Lash stated that the residential meters would need to be replaced in approximately 20 years. This project brings additional benefits to the City and the residents, the implementation would be well planned and as seamless as possible, adding that there would be community meetings, press releases, door hangers, notification of water outage, etc. to keep

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residents informed. The process of changing the water meter would only take 5-10 minutes and the crews would not leave the location until water is flushed and back on. Council Member Hodge suggested that some residents may have concerns about the signals from the water tower transmitters. Mr. Blake explained that education, information and public relations is important to Johnson Control's and the crews that will be replacing the meters. They are also looking at improvements at the Wastewater plant and treatments there. City Manager Towarnicki confirmed that Johnson Controls would provide complete slides to Council Members and the accuracy of meter testing. Council Member Teague would like to see what would be available to residents online.

 <h2>Helping Martinsville Achieve</h2>  	 <h2>Current Challenges</h2> <ul style="list-style-type: none">▪ Significant non-revenue water at 29.8%▪ Cost of real and apparent losses exceeding \$172K annually.▪ Inaccurate water & electric meter population.▪ Manual reading of water and electric meters is costly with potential for misreads. 
 <h2>Project objectives:</h2> <ul style="list-style-type: none">▪ Replace water meters with new accurate meters▪ Replace electric meters with new accurate electric meters▪ AMI/AMR to further reduce cost associated with meter reading▪ Consider other Energy Conservations Measures (ECM's) 	 <h2>PHASE 1: PROJECT SCOPE</h2> 

Water Meters



SENSUS

Water Meters - Residential



- Accuracy 98.5% guaranteed
- 100% lead-free with no moving parts
- iPERL system maintains its accuracy over a 20-year lifetime
- AMI connectivity, diagnostic and alarms

Water Meters - Commercial

- OMNI™ Compound (C²)
- OMNI™ Turbo (T²)
- Project includes replacement of the measuring chamber year 10
 - Installation by Martinsville in yr 10



Electric Meters:



Electric Meters - Benefits

- **Accuracy**
- Remote disconnect on 5% (370) of the form 2S meters
- AMI connectivity
- Power Quality Monitoring

AMI - FlexNet

SENSUS
FlexNet

- 20-year battery life (water)
- Stores at a min. 35 days of hourly usage
- Integrated alerts
 - Leak detection (customer side)
 - Reverse flow
 - Hot socket
 - Power outage
 - Meter tamper

Martinsville Propagation

FlexNet Propagation Analysis

Martinsville, VA
City of Martinsville
22954

BTS Base Station Coverage:
Cellular, Wi-Fi
Industrial Park, City Center, Downtown
NY, CT, Grand, 1st

Signal Strength	Color Code	Frequency of Occurrence
> -100dBm	Green	10%
-100 to -105dBm	Yellow	20%
-105 to -110dBm	Orange	30%
-110 to -115dBm	Red	40%
-115 to -120dBm	Purple	50%
< -120dBm	Blue	60%

LEGEND

- Water
- Land
- Urban
- Rural
- Suburban
- Mountain
- Hill
- Valley
- Coastal
- Inland
- Island
- Lake
- Reservoir
- Swamp
- Marsh
- Savanna
- Tundra
- Desert
- Forest
- Open Field
- Grassland
- Wetland
- Barren Land
- Highway
- Road
- Path
- Fence
- Boundary
- Property Line
- Utility Line
- Power Line
- Gas Line
- Water Line
- Sewer Line
- Drainage Ditch
- Irrigation Canal
- Canal
- River
- Creek
- Stream
- Lake
- Reservoir
- Swamp
- Marsh
- Savanna
- Tundra
- Desert
- Forest
- Open Field
- Grassland
- Wetland
- Barren Land

SENSUS

Meter Data Management System - (MDMS)

- Logic by Sensus
- Data analytics software
 - Billing interface to validate and export billing information
 - Data Reporting, tracking, and analysis
 - Customizable user roles and menus
 - Highly configurable interface

Logic Dashboards

Street Lights - LED



The image displays two different styles of LED street lighting fixtures. The top fixture is a long, low-profile rectangular unit with a dark, textured mounting arm and a light-colored, ribbed lens. The bottom fixture is a shorter, cylindrical unit with a white mounting arm and a white, ribbed lens. Both fixtures are shown against a plain white background.



Martinsville
A CITY WITHOUT LIMITS

Street Lights - LED

Quantity	Watts	Type
2116	100 W	Dusk to Dawn
535	200 W	Cobrahead
275	400 W	Cobrahead
104	175 W	Decorative
186	100 W	Post-top



Johnson
Controls

The image shows a presentation slide for Martinsville. At the top left is the Martinsville logo, which consists of a stylized 'M' followed by the word 'Martinsville' and the tagline 'A CITY WHERE YOU BELONG' in smaller text. Below the logo is a horizontal line. The main title of the slide is 'Street Lights – LED – key benefits', displayed in a large, bold, blue font. To the left of the bullet points is a photograph of a modern street light fixture, which is white with blue accents and a gold-colored base. To the right of the photograph is a bulleted list of four benefits: 'Energy Savings', 'Reduced Maintenance', 'Enhanced Security', and 'Superior light quality'. At the bottom right of the slide is the Johnson Controls logo, featuring the company name and a circular graphic with green and blue segments.



Project Financial Highlights

- Project Total: \$7,579,693
 - One Time Contribution: \$475,000
 - Adjusted Financed Amount: \$7,104,693
- Term: 15 Years
- Construction Period: 12 Months
- Interest rate: 3.00%
- Total Savings: \$9,474,031
 - Water Meters 12.5 yr payback
 - Electric Meters 11 yr payback
 - AMI 13 yr payback
 - Street Lights 13 yr payback



Project Business Case

		Measured Savings			Non-measured Savings			Total Savings	Loan Payment	Performance Management	Balance
		Utility Savings	Meter Benefit	Total	Operational Savings	Capital Avoidance	Total				
Construction Years	Year 0	\$ 10,924	\$ 7,410	\$ 18,334	\$ 6,085	\$ -	\$ 6,085	\$ 24,419	\$ -	\$ -	\$ 24,419
	Year 1	\$ 135,015	\$ 91,592	\$ 226,607	\$ 75,211	\$ 111,026	\$ 186,237	\$ 412,844	\$ 547,058	\$ 20,885	\$ -
	Year 2	\$ 139,065	\$ 94,340	\$ 233,405	\$ 77,467	\$ 114,357	\$ 191,824	\$ 425,229	\$ 561,344	\$ 21,217	\$ -
	Year 3	\$ 143,237	\$ 97,170	\$ 240,408	\$ 79,791	\$ 117,767	\$ 197,558	\$ 437,966	\$ 574,895	\$ 21,673	\$ -
	Year 4	\$ 147,534	\$ 100,085	\$ 247,620	\$ 82,185	\$ 121,321	\$ 203,506	\$ 451,126	\$ 589,950	\$ 22,139	\$ -
	Year 5	\$ 151,960	\$ 103,088	\$ 255,048	\$ 84,650	\$ 124,960	\$ 209,610	\$ 465,658	\$ 605,600	\$ 22,605	\$ -
Performance Years	Year 6	\$ 156,519	\$ 106,181	\$ 262,700	\$ 87,190	\$ 128,709	\$ 215,899	\$ 480,599	\$ 622,382	\$ 23,071	\$ -
	Year 7	\$ 161,215	\$ 109,366	\$ 270,581	\$ 89,805	\$ 132,571	\$ 222,376	\$ 496,957	\$ 639,836	\$ 23,537	\$ -
	Year 8	\$ 166,051	\$ 112,647	\$ 278,698	\$ 92,500	\$ 136,540	\$ 229,040	\$ 513,738	\$ 658,294	\$ 24,003	\$ -
	Year 9	\$ 171,033	\$ 116,026	\$ 287,059	\$ 95,275	\$ 140,644	\$ 235,919	\$ 531,193	\$ 677,864	\$ 24,469	\$ -
	Year 10	\$ 176,164	\$ 119,807	\$ 295,971	\$ 98,133	\$ 144,863	\$ 242,996	\$ 549,291	\$ 697,499	\$ 24,935	\$ -
	Year 11	\$ 181,449	\$ 123,693	\$ 305,142	\$ 101,077	\$ 149,209	\$ 250,286	\$ 567,435	\$ 717,164	\$ 25,401	\$ -
	Year 12	\$ 186,892	\$ 127,685	\$ 314,577	\$ 104,109	\$ 153,686	\$ 257,795	\$ 586,030	\$ 737,919	\$ 25,867	\$ -
	Year 13	\$ 192,499	\$ 131,899	\$ 324,398	\$ 107,232	\$ 158,296	\$ 265,528	\$ 605,366	\$ 759,294	\$ 26,333	\$ -
	Year 14	\$ 198,274	\$ 136,307	\$ 334,581	\$ 110,449	\$ 163,045	\$ 273,494	\$ 624,989	\$ 781,769	\$ 26,800	\$ -
	Year 15	\$ 204,322	\$ 140,942	\$ 345,264	\$ 113,763	\$ 167,836	\$ 281,599	\$ 644,588	\$ 804,444	\$ 27,267	\$ -
Total		\$ 2,522,054	\$ 1,710,929	\$ 4,232,983	\$ 1,404,920	\$ 2,064,959	\$ 3,469,879	\$ 9,474,031	\$ 9,379,614	\$ 482,214	\$ 52,200



Project Benefits – O&M Savings

O&M Component	Quantity	Annual Benefit
Salary and benefits	2	\$62,294
Vehicle, including fuel and maintenance	2	\$19,506
Uniforms, boots and radio	2	\$2,000
Meter repair and replacement	-	\$17,074
Handheld devices	-	\$3,120
Total		\$103,994



Project Benefits – Capital Avoidance

Capital Avoidance	Years	Annual Benefit
Water Meters	10	\$100,000
Electric Meters	10	\$25,000
Street Lights	10	\$25,000
Total		\$150,000



Measurement & Verification Plan

FIM	M&V Option	Measurement activity	Frequency/ When
Street lighting upgrades	A	Pre and Post kW reading at fixtures	One time pre and post
Small water meters	A	Accuracy pre and post testing – sent out to lab	Year 7
Large water meter	A	Accuracy pre and post testing – replace on site	Yr 3, Yr 6 Replace Yr 10
Polyphase Electric meter	A	Accuracy of the meter – pre and post	Yr. 4, Yr. 8
Billing rate revision	NM	Verify billing rate	One time



Installation & Community Outreach

- Experienced Partners
 - US Bronco
 - HD Supply
- Billing
- Public Relations
 - Community educational meetings
 - Door hangers during installation
 - WaterWise education materials



Next Steps...

- City council update – *September*
- Financing solicitation – *September/October*
- Scope review – *July / August*
- Contract review – *September*
- Contract execution – *September*
- Community outreach plan – *Nov./Dec.*
- Construction / Implementation plan workshop – *January*
- Phase II – Wastewater Treatment Plant



Proven project partner - JCI



100 Projects – Over 1 Million Meters



City Manager Towarnicki said this topic would be added to an upcoming agenda to discuss funding and if Council would like to proceed with the project.

There being no further business, a motion was made by Vice Mayor Bowles to adjourn the meeting at 9:45pm, the motion was seconded by Council Member Hodge; all Council Members voted in favor.

Karen Roberts
Clerk of Council

Danny Turner
Mayor